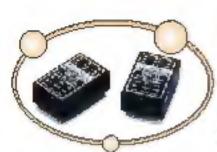


5 Watt Wide Input DC to DC Converters



FEATURES

5-6W Isolated Output 24-Pin DIP Package 2:1 Input Range (Optional) Conductive EMI Meet EN55022 Class B

Regulated Outputs Continuous Short Circuit Protection High Efficiency Up To 82%

SPECIFICATIONS

All Specifications are Typical at Nominal Line, Full Load and 25°C Unless Otherwise Noted

0	Input FilterP1 Type
0	Voltage Accuracy
0	Voltage Balance(Dual) ±1% max.
0	Temperature Coefficient
0	Ripple&Noise (20MHz BW)(5V)100mVp-p max. (12/ 15V)1%Vp-p max.
0	Short Circuit Protection
o	Line Regulation, Single/Dual(LL-HL) 2 0.5%
0	Load Regulation, Single(10%FL-FL) ± 0.5% Dual(25%FL-FL) ± 1%
0	I/O Isolation(Standard Models)500VCD min.
0	Switching Frequency
	Operating Temperature Range25°C To +71°C
	Storage Temperature Range40°C To +100°C
	Dimensions Case D 1.25 x 0.8 x 0.4 inches
	(31 B x 20 3 x 10 2mm)

o Case Material:

Standard Models Non-Conductive Black Plastic Suffix"M/M1" Models..... Black Coated Copper with Non-Conductive Base

MODEL LIST

Model	Input	Output	Output	%EFF.	CASE
Number	Voltage	Voltage	Current		
E05-X0(B/M/M1/P3/T)	See Note"x"	3,3VDC	1000mA	70min	D
E05-X1(B/M/M1/P3/T)	See Note"x"	5VDC	1000mA	76min	D
E05-X2(B/M/M1/P3/T)	See Note"x"	12VDC	470m.A	80min	D
E05-X3(B/M/M1/P3/T)	See Note"x"	15VDC	400m A	80min	D
E05-X4(B/M/M1/P3/T)	See Note"x"	# 5VDC	±500m.A	76min	D
E05-X5(B/M/M1/P3/T)	See Note"x"	±12VDC	±230mA	60min	D
E05-X6(B/M/M1/P3/T)	See Note"x"	±15VDC	±190m A	80min	D

Note:

Input Voltage "X":

x=1,Input Voltage = 9~18VD C,Nominal=12VDC

x=2Jnput Voltage = 18~36VDC Nominai=24VDC

x=3,Input Voltage = 36~72VDC,Nominal=48VDC

x=4,Input Voltage = 9~36VD C,Nominal=24VDC

x=5.Jnput Voltage = 18~72VDC Nominai=48VDC

Model Number Suffix:

- "B" Optional for ENSS022 class B, for Input Range 2:1 only.
- TMT Optional for 500VI/O isolation with metal case.
- 3.7M1" Optional for 1.5KV1/O isolation with metal case.
- 4."P 3" Optional for 3KV I/O Isolation with plastic case.
- "T"Optional Remote On/Off for class B version isolation 3KV. & Input Range 2:1Model Only.
- 6.UL Approved Models optional for Input Range 2:1 & Class B Version with Isolation 1.5KV/3KV Models only.

Pin Connections Standard Models 500 VDC Sutfix "M" For Metal Case Pin# Single Dual Pin# Single Dual Pin# Single Dual VI+ Vi+ Vo+ VO+ 16 N.P. N.P. 11 N.C. 2 Vo-12 VI-VI-22 N.C Com 3 Com 13 Vi-Vi-23 N.C. N.C Vo-9 N.P. N.P 14 VO+ 24 Vi+ Vi+ VO+ 10 15 Vo-Com Vo-Com

Pin Connections												
1,5KVDC SUFFIX"M1" 3KVDC Suffix "P3"												
Pin#	Single	Dual	Pin#	Single	Dual	Pine	Single	Dual				
1	N.P.	N.P.	11	NC	Vo-	16	Vo-	Com.				
2	VI-	M-	12	N.P.	NP.	22	Vi+	Vi+				
3	Vi-	VI-	13	N.P.	N.P.	23	Vi+	Vi+				
9	N.C.	Com.	114	Y0+	Vo+	24	N.P.	N.P.				
10	N.C.	N.C.	15	N.C.	N.C.							

CASED Click to enlarge All Dimensions In Inches (mm)

